Set Nam side by sid	Hit Count Set Name result set		
DB=U	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ		
<u>L5</u>	13 and L4	11	<u>L5</u>
<u>L4</u>	humectant\$1	14536	<u>L4</u>
<u>L3</u>	11 and L2	619	<u>L3</u>
<u>L2</u>	sul\$2onylur\$6 or sul\$2onylcarbonyldi?mino or sul\$2onylaminocarbonylamino or (sul\$2onylaminocarbonylamino or (sul\$2onylamino (carbonylamino or (carbonyl amino))) or ur\$6sul\$2onyl\$ or carbonyldi?minosul\$2onyl\$ or aminocarbonylaminosul\$2onyl\$ or (aminocarbonyl aminosul\$2onyl\$) or (amino (carbonylaminosul\$2onyl\$) or (carbonylaminosul\$2onyl\$))) or \$2carbamoylsul\$2amoyl or (\$2carbamoyl \$2sul\$2amoyl) or sul\$2onyl near (urea\$1 or ureido or ureylene or uramino or carbonyldi?mino or aminocarbonylamino or (aminocarbonyl amino))))	9374	<u>L2</u>
<u>L1</u>	bromus or brome\$1	3138	<u>L1</u>

END OF SEARCH HISTORY

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### **Search Results -** Record(s) 1 through 10 of 11 returned.

☐ 1. Document ID: US 20020072474 A1

L5: Entry 1 of 11

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072474

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020072474 A1

TITLE: Herbicidal compositions

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Bickers, Udo Wietmarschen DE
Bieringer, Hermann Eppstein DE
Frisch, Gerhard Wehrheim DE
Hacker, Erwin Hochheim DE
Huff, Hans Philipp Eppstein DE

US-CL-CURRENT: 504/211

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Drawi D	esc Ir	nage									

### ☐ 2. Document ID: US 20020058591 A1

L5: Entry 2 of 11

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058591

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058591 A1

TITLE: Herbicidal compositions

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Bickers, Udo Wietmarschen DE
Bieringer, Hermann Eppstein DE
Frisch, Gerhard Wehrheim DE
Hacker, Erwin Hochheim DE
Huff, Hans Philipp Eppstein DE

US-CL-CURRENT: 504/211

☐ 3. Document ID: US 5985793 A

L5: Entry 3 of 11

File: USPT

Nov 16, 1999

US-PAT-NO: 5985793

DOCUMENT-IDENTIFIER: US 5985793 A

TITLE: Sequential application method for treating plants with exogenous chemicals

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Sandbrink; Joseph J. Des Peres MO
Warner; James M. University City MO
Wright; Daniel R. St. Louis MO
Feng; Paul C. C. Ellisville MO

US-CL-CURRENT:  $\underline{504}/\underline{363}$ ;  $\underline{424}/\underline{405}$ ,  $\underline{504}/\underline{206}$ ,  $\underline{504}/\underline{208}$ ,  $\underline{504}/\underline{212}$ ,  $\underline{504}/\underline{250}$ ,  $\underline{504}/\underline{253}$ ,  $\underline{504}/\underline{258}$ ,  $\underline{504}/\underline{274}$ ,  $\underline{504}/\underline{291}$ ,  $\underline{504}/\underline{323}$ ,  $\underline{504}/\underline{324}$ ,  $\underline{504}/\underline{339}$ ,  $\underline{504}/\underline{342}$ ,  $\underline{504}/\underline{347}$ ,  $\underline{504}/\underline{352}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw, Desc Image

☐ 4. Document ID: US 5912209 A

L5: Entry 4 of 11

File: USPT

Jun 15, 1999

US-PAT-NO: 5912209

DOCUMENT-IDENTIFIER: US 5912209 A

TITLE: Surfactants providing enhanced efficacy and/or rainfastness to glyphosate

formulations

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kassebaum; James W. Indianapolis IN Sandbrink; Joseph J. Des Peres MO Warner; James M. St. Louis MO

US-CL-CURRENT: 504/206

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC |
Draw, Descriptings

☐ 5. Document ID: US 5663117 A

ZIP CODE

L5: Entry 5 of 11

File: USPT

Sep 2, 1997

US-PAT-NO: 5663117

DOCUMENT-IDENTIFIER: US 5663117 A

TITLE: Alkoxylated primary alcohol surfactants providing enhanced efficacy and/or

rainfastness to glyphosate formulations

DATE-ISSUED: September 2, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Warner; James M.

St. Louis

MO

US-CL-CURRENT: 504/206; 504/362

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC
Draw Desc Image

☐ 6. Document ID: US 5658853 A

L5: Entry 6 of 11

File: USPT

Aug 19, 1997

US-PAT-NO: 5658853

DOCUMENT-IDENTIFIER: US 5658853 A

TITLE: Glyphosate herbicidal compositions having enhanced rainfastness comprising an

acetylenic diol and an alkyl polyglycoside

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Kassebaum; James W.

Manchester

MO

Dayawon; Miguel M. Sandbrink; Joseph J.

St. Louis Des Peres MO MO

US-CL-CURRENT: 504/206; 504/362

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

KMMC

7. Document ID: US 5639711 A

L5: Entry 7 of 11

File: USPT

Jun 17, 1997

US-PAT-NO: 5639711

DOCUMENT-IDENTIFIER: US 5639711 A

TITLE: Glyphosate-containing herbicidal compositions having enhanced effectiveness

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Kassebaum; James W.

Manchester

Dayawon; Miguel M.

St. Louis

MO MO

Sandbrink; Joseph J.

Des Peres

MO

US-CL-CURRENT: 504/206; 504/362

Title Citation Front Review Classification Date Reference Sequences Attachments Draw. Desc | Image

KOMC

8. Document ID: US 5464806 A

L5: Entry 8 of 11

File: USPT

Nov 7, 1995

US-PAT-NO: 5464806

DOCUMENT-IDENTIFIER: US 5464806 A

TITLE: Glyphosate-containing herbicidal compositions having enhanced effectiveness

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Kassebaum; James W.

Manchester

MO

Dayawon; Miguel M. Sandbrink; Joseph J.

St. Louis Des Peres

MO MO

US-CL-CURRENT: 504/206; 504/362

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC

Draw, Desc Image

9. Document ID: US 5258359 A

L5: Entry 9 of 11

File: USPT

Nov 2, 1993

US-PAT-NO: 5258359

DOCUMENT-IDENTIFIER: US 5258359 A

TITLE: Glyphosant-containing herbicidal compositions comprising acetylenic diol

rainfastness enhancing agents

DATE-ISSUED: November 2, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Kassebaum; James W.

Manchester

MO

Dayawon; Miguel M.

St. Louis

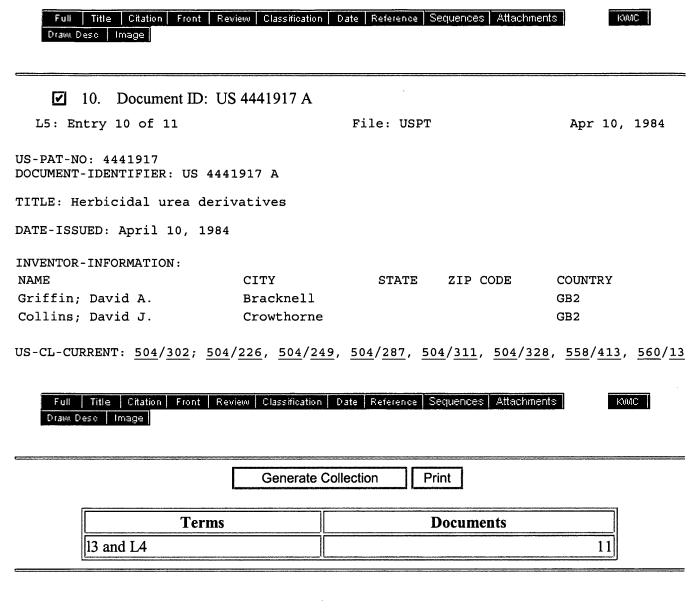
MO

Sandbrink; Joseph J.

Des Peres

MO

US-CL-CURRENT: 504/206; 504/362



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## Search Results - Record(s) 11 through 11 of 11 returned.

11. Document ID: US 20020058591 A1, WO 200207519 A1, DE 10036002 A1, AU 200189654 A

L5: Entry 11 of 11

File: DWPI

May 16, 2002

DERWENT-ACC-NO: 2002-291807

DERWENT-WEEK: 200237

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TITLE: Herbicidal composition, especially for selective weed control in crops, containing herbicide in combination with surfactant and <a href="https://www.numer.com/humectant">https://www.numer.com/humectant</a> to improve

activity and selectivity special against Bromus weeds

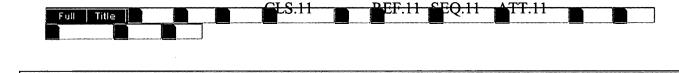
INVENTOR: BICKERS, U; BIERINGER, H; FRISCH, G; HACKER, E; HUFF, H P

PRIORITY-DATA: 2000DE-1036002 (July 25, 2000)

#### PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020058591 A1	May 16, 2002		000	A01N047/36
WO 200207519 A1	January 31, 2002	G	063	A01N047/36
DE 10036002 A1	February 14, 2002		000	A01N047/34
AU 200189654 A	February 5, 2002		000	A01N047/36

INT-CL (IPC): A01 N 25/22; A01 N 47/34; A01 N 47/36



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 Terms
 Documents

 13 and L4
 11

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